Date: Wed, 29 Dec 93 04:30:17 PST
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
Reply-To: Ham-Ant@UCSD.Edu
Precedence: Bulk
Subject: Ham-Ant Digest V93 #156
To: Ham-Ant

Ham-Ant Digest Wed, 29 Dec 93 Volume 93 : Issue 156

Today's Topics:

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

Date: 28 Dec 1993 17:11:57 GMT
From: agate!howland.reston.ans.net!math.ohio-state.edu!mane.cgrg.ohio-state.edu!
aus1.robins.af.mil!wrdis02.robins.af.mil!gwood@ames.arpa
Subject: 6m quad design,help
To: ham-ant@ucsd.edu

would like to get some help on building ao 6m quad 5,6,
elelment's wpould be just great or id you could tell me about
some good books with design in it that might be some help
would like to have this thing up and running before 22 jan.

KC4YBL
GREG WOOD

Date: 28 Dec 93 01:42:25 GMT
From: ogicse!emory!europa.eng.gtefsd.com!howland.reston.ans.net!mrtnt.ntrs.com!

tntvax!ddb@network.ucsd.edu
Subject: Help-Small Foot print HF antenna
To: ham-ant@ucsd.edu

I am looking for an antenna for HF with a small foot print. I don't have room
for any radials, beams, long wires etc...

Can anyone direct me toward/recommend a 'radialless' vertical or any other
design would be good (AEA Iso-Loop?). Price range < $350ish.

I would like to have 80m-10m operation.

- Thanks in advance.
Dan Bowker NY9K

Standard disclaimer - Opinions etc are my own.

Date: 28 Dec 1993 10:34:51 -0500
From: galaxy.ucr.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!darwin.sura.net!udel!news.sprintlink.net!clark.net!
clark.net!not-for-mail@network.ucsd.edu
Subject: Help-Small Foot print HF antenna
To: ham-ant@ucsd.edu

ddb@tntvax.ntrs.com (Dan Bowker [x 6587]) writes:

>I am looking for an antenna for HF with a small foot print. I don't have room
>for any radials, beams, long wires etc...

>Can anyone direct me toward/recommend a 'radialless' vertical or any other
>design would be good (AEA Iso-Loop?). Price range < $350ish.
>
>I would like to have 80m-10m operation.

I can not vouch for performance, since I have no experience with these,
but there are a few companies with HF loops that take up little space
(MJF is one that has a loop).

Also, Bilal Company has a variety of single band antennas called Isotrons
that can be mast mounted but require no radials. They look basically
like an LC circuit (serial) with the coil being between two capacitive
plates. They received good reviews in several mags a while back.
Anyway, their address and number is:

 Bilal Co.
 137 Manchester Dr.

 Florissant, CO 80816
 (719) 687-0650

Oh, how I miss Colorado !!

John A. Evans, Capt, USAF "My number one goal as a
VHDL/EDA Engineer runner is to live long enough
N3QOO Tech Plus !!! to place in my age group!!!"

jaevans@clark.net Linux - the OS of choice !!

Once data encryption is outlawed, only outlaws will have data encryption !!!

Date: 28 Dec 1993 17:25:15 GMT
From: elroy.jpl.nasa.gov!sdd.hp.com!col.hp.com!srgenprp!news.dtc.hp.com!
hpscit.sc.hp.com!hpubmaa.esr.hp.com!garhow@ames.arpa
Subject: Help-Small Foot print HF antenna
To: ham-ant@ucsd.edu

In article <1993Dec28.074225.1@tntvax>, ddb@tntvax.ntrs.com (Dan Bowker [x 6587])
writes:
|> I am looking for an antenna for HF with a small foot print. I don't have room
|> for any radials, beams, long wires etc...
|>
|> Can anyone direct me toward/recommend a 'radialless' vertical or any other
|> design would be good (AEA Iso-Loop?). Price range < $350ish.
|>
|> I would like to have 80m-10m operation.
|>

I have an MFJ-1796. This is a compact (12' high) vertical with no radials.
It covers 40M - 2M. I have had it up for a couple of months and have had
good results. I live in a condo. It is $199 list.

Garry
KE0SH

--
Garry Howard Hewlett-Packard Company
Technical Consultant 29 Burlington Mall Road
Professional Services Organization Burlington, MA 01803 USA
garhow@hpubmaa.esr.hp.com

[I do not speak for HP officially or otherwise.]

Date: Tue, 28 Dec 1993 17:42:31 GMT
From: qualcomm.com!vixen.cso.uiuc.edu!howland.reston.ans.net!cs.utexas.edu!convex!
constellation!osuunx.ucc.okstate.edu!olesun!gcouger@network.ucsd.edu
Subject: Help-Small Foot print HF antenna
To: ham-ant@ucsd.edu

In article <1993Dec28.074225.1@tntvax>,
Dan Bowker [x 6587] <ddb@tntvax.ntrs.com> wrote:
>I am looking for an antenna for HF with a small foot print. I don't have room
>for any radials, beams, long wires etc...
>
>Can anyone direct me toward/recommend a 'radialless' vertical or any other
>design would be good (AEA Iso-Loop?). Price range < $350ish.

I have used a Cushcraft R7 for a about a year and I have been very happy
with it. It tunes 10 through 30 full band and about 1/3 of 40 meters you
can pick which third. I use a MFJ turner to get the rest of 40 and I have
tuned it up on 80 for local contacts it lacks a lot on 80. The R7 is a
shortend 1/2 wave antenna and needs no radials. It is an exclent DX
preformer. I have compaired it to 1/4 wave ground planes and I think it
works better. It is easy to setup an move about 30 minutes to take down
and put up after the inital set up. It took me about 3 hours the first
time to get everything measured and so on. Next time I take it down I
am going to add a lot of hose clamps just above every joint to keep it
from getting shorter in the wind.

Good luck
Gordon AB5Dg

/*   Gordon Couger   */
/*   Biosystems & Agricultural Engineering   */
/*   Oklahoma State University   */
/*   114 Ag Hall, Stillwater, OK 74074   */
/* gcouger@olesun.agen.okstate.edu 405-744-9763 day 624-2855 evenings */
/*   I Speak only for myself and not for anyone else   */

Date: Tue, 28 Dec 1993 20:25:06 GMT
From: newsgate.watson.ibm.com!watnews.watson.ibm.com!yktnews.watson.ibm.com!
rs47445!xzs1947@uunet.uu.net
Subject: Help-Small Foot print HF antenna
To: ham-ant@ucsd.edu

> I have used a Cushcraft R7 for a about a year and I have been very happy

> with it. It tunes 10 through 30 full band and about 1/3 of 40 meters you
> can pick which third. I use a MFJ turner to get the rest of 40 and I have
> tuned it up on 80 for local contacts it lacks a lot on 80. The R7 is a

It is a good antenna but I have a lot of trouble covering the whole band.
It is especially difficult on 10 mhz to get low swr. You better
have a very clear area to set up in. It has a very limited adjustment
range. I am glad to have the tuner on my 440sat. OTOH it wropks well
and is the only thing I could find that does all that it does. Would
I buy it again? Very unlikely, I would look hard for something better
first.

gilbaronw0mn@delphi.com   email here only
"Bailar es vivir"

Date: 28 Dec 93 22:43:06 GMT
From: ogicse!uwm.edu!cs.utexas.edu!howland.reston.ans.net!usenet.ins.cwru.edu!
slc6!trier@network.ucsd.edu
Subject: need comments on MFJ antennas and accessories
To: ham-ant@ucsd.edu

I'm somewhat unhappy with my MFJ 2m telescoping halfwave. While it
works and is definitely an improvement over the radio's rubber duck, a
friend's AEA hotrod looks better made. The SWR on the MFJ is 3:1 and
worse, so I'm not too happy with that, either. I haven't had a chance
to test the AEA's SWR.

        Stephen

--
Stephen Trier KB8PWA   "The light at the end of the tunnel
Work: trier@ins.cwru.edu   may be an oncoming dragon"
Home: sct@po.cwru.edu   - Unknown

Date: Tue, 28 Dec 1993 19:35:14 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
news.moneng.mei.com!uwm.edu!caen!nic.umass.edu!noc.near.net!gateway-gw!newshost!
wpns@network.ucsd.edu
Subject: need comments on MFJ antennas and accessories
To: ham-ant@ucsd.edu

ah301@yfn.ysu.edu (Jerry Sy) writes:
>Also, is the MFJ J Pocket Rollup antenna any good ($15)?

No. It was a pretty cheaply built twin-lead j-pole (a real garage
shop operation IMHO) with heat-shrink tubing and such. The VSWR was
all over the map when you got your hand near the feedline, so we sent
it back.

>how about telescopic antennas for HT (MFJ-1714, $17) ? how does this
>compare to the AEA hot rod ($25) ?

I've been _really_ happy with the Hot Rod.

I'll never buy another piece of MFJ gear, but to their credit they
took it back without batting an eye. From what I can gather, you can
build all of the MFJ stuff in your basement at least as well as they
can build it in thiers, but then that's true of a lot of commercially
available ham equipment. Don't get me started, or I'll tell you about
my Fun With Wyman... 8*{

--
Willie Smith wpns@pictel.com N1JBJ@amsat.org
She's writing a formal letter of complaint to the Internet Administration!

Date: 28 Dec 93 17:23:09 GMT
From: ogicse!cs.uoregon.edu!sgiblab!darwin.sura.net!fconvx.ncifcrf.gov!
mack@network.ucsd.edu
Subject: Yagi Polarization Question
To: ham-ant@ucsd.edu

In article <2fnkne$139@wrdis02.robins.af.mil> demarsee@robins.af.mil (Contractor
Darryl Marsee Mr.) writes:
>If you mount a yagi antenna neither vertically nor horizontally polarized,
>but diagonally (elements 45-degree angled from the ground), what would
>the gain be verses mounting it either vertically or horizontally? -3Db
>in both planes from it's rating in one plane? '
Yup
Joe NA3T
mack@ncifcrf.gov

End of Ham-Ant Digest V93 #156
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